

CLAIMS

1. (Currently Amended) An automotive information controller for a an automotive communication system having at least one communication bus having an information unit with an identifier portion and a data portion corresponding to said identifier portion, said information controller comprising an identifier look-up element for sending a predetermined program selector to a signal handler upon determination that the identifier portion of a received information unit corresponds to a predetermined identifier associated with the predetermined program selector, wherein

the program selector defines an operation to be performed on the data portion by the signal handler; and

said identifier look-up element further comprises a look-up table for storing a list of identifiers, said identifier look-up table element searching the look-up table in order to find said predetermined identifier and said predetermined program selector corresponding to said identifier portion.

2. (Original) An information controller as claimed in claim 1, wherein the operation to be performed on the data portion can be the creation of a second information unit; or merging the data portion, or part of the data portion, with another data portion of a second information unit; or saving the data portion, or part of the data portion.

3. (Original) An information controller as claimed in claim 2, further comprising a frame transmitter for prioritizing multiple second information units for transmission in accordance with a communication protocol.

4. (Original) An information controller as claimed in claim 3, wherein the second information units include a second identifier.

5. (Previously Presented) An information controller as claimed in claim 3, further comprising a transmission memory for storing multiple second information units.

6. (Canceled)
7. (Previously Presented) An information controller as claimed in claim 1, wherein the signal handler further comprises memory for storing said data portion and a predetermined sequence of operations.
8. (Previously Presented) An information controller as claimed in claim 1, wherein the identifier look-up element is programmable to allow the predetermined identifier and/or the associated program selector to be changed.
9. (Previously Presented) An information controller as claimed in claim 1, further comprising a central processor unit interface to allow direct communication between said information controller with a central processing unit of the communication system.
10. (Previously Presented) An information controller as claimed in claim 9, wherein said central processing unit can access any memory of the information controller.
11. (Canceled)
12. (Currently Amended) A method for using an automotive information controller for a an-automotive communication system having at least one communication bus and having an information unit with an identifier portion and a data portion corresponding to said identifier portion, said method comprising the steps of:
- receiving the identifier portion at an identifier loop look-up element, said identifier look-up element comprising a look-up table for storing a list of identifiers;
 - searching the look-up table in order to find a predetermined identifier and a predetermined program selector corresponding to said identifier portion;
 - sending a said predetermined program selector to a signal handler upon determination that the identifier portion corresponds to a said predetermined identifier associated with the predetermined program selector;
 - performing an operation on the data portion based upon the program selector.